

## WEST Search History

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DATE: Monday, July 19, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L10	l7 and l9	5
<input type="checkbox"/>	L9	\$dextrin or silica\$ or kieselguhr	378491
<input type="checkbox"/>	L8	l6 and supercritical\$	9
<input type="checkbox"/>	L7	l6 and (carrier or support)	9
<input type="checkbox"/>	L6	l3 and ethanol\$	15
<input type="checkbox"/>	L5	l3 and l4	0
<input type="checkbox"/>	L4	ethanol resin	40
<input type="checkbox"/>	L3	l2 and (extract\$ or isolat\$)	22
<input type="checkbox"/>	L2	l1 and hops	22
<input type="checkbox"/>	L1	xanthohumol	26

END OF SEARCH HISTORY

=> d his

(FILE 'HOME' ENTERED AT 13:12:33 ON 19 JUL 2004)

FILE 'REGISTRY' ENTERED AT 13:14:10 ON 19 JUL 2004

L1 1 S XANTHOHUMOL/CN

FILE 'CAPLUS' ENTERED AT 13:14:28 ON 19 JUL 2004

L2 86 S L1

L3 84 S L2 AND XANTHOHUMOL

L4 40 S L3 AND ?HOPS?

L5 247029 S ETHANOL?

L6 6673 S L5 AND RESIN

L7 2 S L4 AND L6

L8 6 S L4 AND EXTRACT?

L9 11 S L4 AND ISOLAT?

L10 1 S L9 AND L5

L11 20068 S SUPERCRITICAL?

L12 10376 S L11 AND (CARBON DIOXIDE OR CO2)

L13 0 S L9 AND L12

L14 0 S L4 AND L12

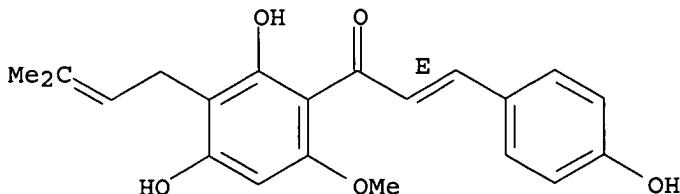
L15 1 S L3 AND L12

s xanthohumol/cn  
L1 1 XANTHOHUMOL/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 6754-58-1 REGISTRY  
CN 2-Propen-1-one, 1-[2,4-dihydroxy-6-methoxy-3-(3-methyl-2-but-enyl)phenyl]-3-(4-hydroxyphenyl)-, (2E)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2-Propen-1-one, 1-[2,4-dihydroxy-6-methoxy-3-(3-methyl-2-but-enyl)phenyl]-3-(4-hydroxyphenyl)-, (E)-  
CN Xanthohumol (6CI, 7CI)  
FS STEREOSEARCH  
MF C21 H22 O5  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM,  
DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NAPRALERT,  
PHAR, PROMT, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
DT.CA CAplus document type: Dissertation; Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP  
(Preparation); PROC (Process); USES (Uses)  
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological  
study); USES (Uses)  
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP  
(Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in  
record)  
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological  
study); OCCU (Occurrence)

Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

86 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
86 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspta1621saw

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 May 12 EXTEND option available in structure searching  
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus  
NEWS 6 May 27 CAplus super roles and document types searchable in REGISTRY  
NEWS 7 Jun 22 STN Patent Forums to be held July 19-22, 2004  
NEWS 8 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT  
NEWS 9 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)  
NEWS 10 Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004

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\*HCHEMLIST - Regulated Chemicals Listing with hour-based pricing

\* The files listed above are temporarily unavailable.

FILE 'HOME' ENTERED AT 14:20:41 ON 19 JUL 2004

=> file caplus  
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 14:20:57 ON 19 JUL 2004

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FILE COVERS 1907 - 19 Jul 2004 VOL 141 ISS 4  
FILE LAST UPDATED: 18 Jul 2004 (20040718/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> e ep0320813/pn
E1      1    EP320806/PN
E2      1    EP320807/PN
E3      1 --> EP320813/PN
E4      1    EP320817/PN
E5      1    EP320819/PN
E6      1    EP320820/PN
E7      1    EP320821/PN
E8      1    EP320824/PN
E9      1    EP320831/PN
E10     1    EP320832/PN
E11     2    EP320833/PN
E12     1    EP320836/PN
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=> d e3 ibib
NO L# DEFINED
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=> s e3
L1      1 EP320813/PN
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=> d l1 ibib
```

```
L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1990:9378 CAPLUS
DOCUMENT NUMBER: 112:9378
TITLE: Process for the continuous extraction of high-boiling
or nonboiling but melting organic mixtures
INVENTOR(S): Haeffner, Eckhard; Ben-Nasr, Hedi; Knuth, Bernd;
Jasper, Hubert; Reimann, Klaus
PATENT ASSIGNEE(S): Krupp, Fried., G.m.b.H., Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
```

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 320813	A1	19890621	EP 1988-120590	19881209 <--
EP 320813	B1	19920909		
R: BE, DE, ES, FR, GB, IT, LU, NL, SE				

DE 3743058	A1	19890629	DE 1987-3743058	19871218
ES 2034133	T3	19930401	ES 1988-120590	19881209
US 5011594	A	19910430	US 1988-285387	19881216
JP 01203496	A2	19890816	JP 1988-318731	19881219
PRIORITY APPLN. INFO.:			DE 1987-3743058	19871218

=> e ep0057435

E1	3	EP00276/BI
E2	1	EP0055/BI
E3	0	--> EP0057435/BI
E4	1	EP007/BI
E5	12	EP01/BI
E6	1	EP012/BI
E7	1	EP012M/BI
E8	1	EP0199/BI
E9	1	EP01NS/BI
E10	5	EP01P/BI
E11	3	EP02/BI
E12	23	EP02P/BI

=> s e3

L2	0	EP0057435/BI
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=> e ep0057435/pn

E1	1	EP574347/PN
E2	1	EP574348/PN
E3	1	--> EP57435/PN
E4	1	EP574351/PN
E5	1	EP574352/PN
E6	1	EP574354/PN
E7	1	EP574355/PN
E8	1	EP574356/PN
E9	1	EP574369/PN
E10	1	EP574370/PN
E11	1	EP574381/PN
E12	1	EP574383/PN

=> s e3

L3	1	EP57435/PN
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=> d ibib

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1982:543143 CAPLUS  
 DOCUMENT NUMBER: 97:143143  
 TITLE: Extraction of bitter substances and tannins from hops  
 INVENTOR(S): Von Horst, Louis; Hartl, Alfons  
 PATENT ASSIGNEE(S): Horst und Klotz Hopfenveredelung G.m.b.H., Fed. Rep.  
 Ger.  
 SOURCE: Ger. Offen., 19 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3103617	A1	19820805	DE 1981-3103617	19810203
US 4490405	A	19841225	US 1982-340988	19820120
EP 57435	A2	19820811	EP 1982-100601	19820128 <--
EP 57435	A3	19830309		
EP 57435	B1	19850529		

R: AT, BE, CH, DE, FR, GB, IT, LU, NL  
AT 13556 E 19850615 AT 1982-100601 19820128  
PRIORITY APPLN. INFO.: DE 1981-3103617 19810203  
EP 1982-100601 19820128